

Product datasheet for **RG236760**

CIB1 (NM_001277764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIB1 (NM_001277764) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CIB1
Synonyms:	CIB; CIBP; KIP1; PRKDCIP; SIP2-28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236760 representing NM_001277764. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGGGGCTCGGGCAGTCGCCTGTCCAAGGAGCTGCTGGCCGAGTACCAGGACTTGACGTTCTGACG
AAGCAGGAGATCCTCCTTTCTGTGTACGTGGTTTTAGCTCCTCACCTGGTTGACAATGAGCAGCAGGCA
AGGAGTGGGAATGAACACACAGGGAGACCGATCGCTGAGAACACCGACAGTTCCTCTCTCTACCAGA
GCCACAGGCGGTTTTGTGAGCTGCTTCCCAGGAGCAGCGGAGCGTGGAGTCGTCACCTCGGGCACAA
GTGCCCTTCGAGCAGATTCTCAGCCTTCAGAGCTCAAGGCCAACCCCTCAAGGAGCGAATCTGCAGG
GTCTTCTCCACATCCCCAGCCAAAGACAGCCTTAGCTTTGAGGACTTCTGGATCTCCTCAGTGTGTTT
AGTGACACAGCCACGCCAGACATCAAGTCCATTATGCCTTCCGCATCTTTGACTTTGATGATGACGGA
ACCTTGAACAGAGAAGACCTGAGCCGGCTGGTGAAGTGCCTCACGGGAGAGGGCGAGGACACACGGCTT
AGTGCGTCTGAGATGAAGCAGCTCATCGACAACATCCTGGAGGAGTCTGACATTGACAGGGATGGAACC
ATCAACCTCTCTGAGTTCAGCACGTCATCTCCCCTTCTCCAGACTTTGCCAGCTCCTTTAAGATTGTC
CTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG236760
 Blue=ORF Red=Cloning site Green=Tag(s)

MGGSGSRLSKELLAEQDLTFLTKQEILLVYVVLAPHLVDNEQQARSGNEHTGRPIAENTDSSPLSTR
 AHRRFCELLPQEQRVSVSSLRQVPEQILSLPELKANPFKERICRVFSTSPAKDSLSEDFLDLLSVF
 SDTATPDIKSHYAFRIIDFDDGTLNREDLSRLVNCLTGEGEDTRLSASEMKQLIDNILEESDIDRDGT
 INLSEFQHVISRSPDFASSFKIVL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001277764

ORF Size: 693 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001277764.1](#), [NP_001264693.1](#)

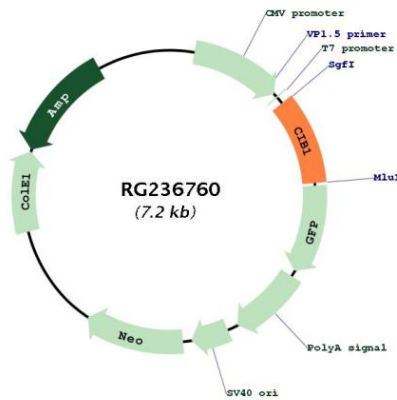
RefSeq Size: 1104 bp

RefSeq ORF: 696 bp

Locus ID: 10519
UniProt ID: [Q99828](#)
Cytogenetics: 15q26.1
MW: 26.5 kDa

Gene Summary: This gene encodes a member of the EF-hand domain-containing calcium-binding superfamily. The encoded protein interacts with many other proteins, including the platelet integrin alpha-IIb-beta-3, DNA-dependent protein kinase, presenilin-2, focal adhesion kinase, p21 activated kinase, and protein kinase D. The encoded protein may be involved in cell survival and proliferation, and is associated with several disease states including cancer and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

Product images:



Circular map for RG236760